Exhibit C (Pt. 2 of 4)

					Case 1:0
Inline's Citation to Dictionaries and Treatises	Inline's Citation to the Patent Specification	Inline's Claim Construction	Claim Language	AOL's and EarthLink's Claim Construction	id EarthLink's o Intrinsic
electrical devices and conductors that, when interconnected to form a conducting path, fulfill some desired function.' Dictionary of Computing, 75 (4th ed. 1996) In light of this definition, it is clear that the term 'circuit,' by itself connotes some structure.")					00866-JJF Docu
	'446 Col. 11:57-61 '446 Col. 13:32-48 '446 Col. 15:35-42 '446 Col. 66:34-45	Electrical circuitry that outputs a signal to the telephone wiring network. The signals that communicate information is received from the external information source and is in a frequency band above the telephone voice band. The signal is communicated by the telephone wiring network to the transceiver.	circuitry for transmitting over the telephone wiring network to the transceiver an internal signal in the high frequency band encoding the information stream, and	"Circuitry for transmitting information stream" is a M+F claim element. The recited functions are (1) processing the external signal encoding the information stream from the external source of information into an internal signal; and (2) transmitting to the transceiver an internal signal encoding the information stream. The structures disclosed in the specification for performing these functions are signal separator 413 in conjunction with processor 420 and master	Col. 39, li. 46 - Col. 33, li. 34 - Col. 30, li. 46 - Col. 33, li. 46 - Col. 30, li. 47 - Col. 30, li. 40 - Col. 30, li.
	· ·	.11			2 of 18

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Case 1:0		0	866-JJF 👸 Document 83-5	Filed 02/17/2006	Page 3
	AOL's and EarthLink's Citation to Intrinsic Evidence		Fig. 1a Fig. 2 descriptions of LPF 474 from Specification Col. 48, In. 65- Col. 49, In. 13. OD property of the col. 49, In. 13. Specification The col. 49, In. 13.		
	and Eau to Intr		ions of ation		
	AOL's and EarthLin Citation to Intrinsic Evidence		Fig. 1a Fig. 2 descriptions specification Col. 48, In. 6		
			one 1) the nals ange one	in the ing ass	
	AOL's and EarthLink's Claim Construction		"Circuitry for limiting and for passing telephone exchange" is a M+F claim element. The recited functions are (1) preventing transmission of the internal high frequency signals back to the telephone exchange and (2) allowing the telephone signals to pass through the signal interface to the	The structures disclosed in the specification for performing these functions are low pass filters 474. The "telephone exchange" is a central office.	
	nd Eart	415.	y for linassing is a Massing cd function gransmight frequencies of the telephologies of the pass the pressent exchanges the exchange the exchanges the excha	tures distinction for junctions at 4. phone office.	
	AOL's and EarthLi Claim Construction	controller 415	"Circuitry for limiting and for passing te exchange" is a M+F of element. The recited functions preventing transmission internal high frequence back to the telephone and (2) allowing the triginals to pass through signals to pass through signal interface to the telephone exchange.	The structures of specification for these functions filters 474. The "telephone a central office, a	
	A O	ŏ			
			circuity for limiting ssion of the internal not the high frequency om the telephone network to the ne exchange and for signals in the frequency band on the telephone wirin the telephone wirin c and the telephone ge;		
	guage		unity for an of the bight fe high fe high fe the telegant from the telegant for the telegant feet feet feet feet feet feet feet fe		
	Claim Language		circuitry for limiting transmission of the internal signal in the high frequency band from the telephone wiring network to the telephone exchange and for passing signals in the telephone frequency band between the telephone wiring network and the telephone wiring network and the telephone exchange;		
			45 /6		
	m Construction		A low pass filter circuit in the signal interface that prevents signals with frequencies above the telephone voice band from interfering with the telephone exchange and allows signals with frequencies in the telephone voice band to reach the telephone exchange		
	aim Co		filter circuit face that precents the precents of the precent of t		
	Inline's Clai		A low pass filter circuit in signal interface that prevesignals with frequencies above the telephone voice band from interfering with telephone exchange and allows signals with frequer in the telephone voice band reach the telephone exchange and allows signals with frequer in the telephone which frequer in the telephone which frequent freach the telephone exchange.		
	Inli		A le sign sign sign sign sign sign sign sign		
	he		11-13		ļ
	Inline's Citation to the Patent Specification		446 Col. 48: 65-67 446 Col. 49:1-7 and 11-13 446 Col. 55:1-2 446 Fig. 2, 474		
	e's Cita it Speci	*	446 Col. 48: 65-67 446 Col. 49:1-7 an 446 Col. 54: 64-67 446 Col. 55:1-2 446 Fig. 2, 474		
	Inlin				
	atises		Filter: A device which transmits a select range of energy. An electrical filter transmits a selected range of frequencies, while stopping (attenuating) all others. HARRY NEWTON, NEWTON'S TELECOM DICTIONARY 200 (3rd ed. 1990). See also Appendix A. Low-Pass Filter: Filter circuit that passes all frequencies below the cutoff frequency and	oung, ist ed. dix A. e of	colling t a other
	Inline's Citation to Dictionaries and Treatises		Filter: A device which transmits a select range of energy. An electrical filter transmits a selected range of frequencies, while stopping (attenuating) all others. HARRY NEWTON, NEWTON'S TELECOM DICTIONARY 200 (3rd ed. 1990). See also Appendix A. Low-Pass Filter: Filter circu that passes all frequencies below the cutoff frequency as	blocks frequencies above it. JOHN DOUGLAS-YOUNG, ILLUSTRATED ENCYCLOPEDIC DICTIONARY OF ELECTRONICS 341 (1st ed. 1981). See also Appendix A. Exchange: Switching exchange: an aggregate of traffic-carrying devices,	switching stages, controlling and signaling means at a network node that enables subscriber lines and/or other
	Inline's Citation to Dictionaries and T		Filter: A device which transmits a select ran energy. An electrical transmits a selected rangequencies, while std (attenuating) all other HARRY NEWTON, NEWTON'S TELEC DICTIONARY 200 (1990). See also Appetow-Pass Filter: Fill that passes all frequencies which the cutoff frequence of the cutoff	blocks frequencies abo JOHN DOUGLAS-Yo ILLUSTRATED ENCYCLOPEDIC DICTIONARY OF ELECTRONICS 341 1981). See also Apper Exchange: Switching exchange: an aggrega traffic-carrying device	ng stag naling r k node t ber line
	Inline' Diction		Filter: transm energy, transm frequer (attenu HARR NEWT DICTI(1990) Low-P. that pas below t	blocks JOHN ILLUS ENCY DICTI ELECT 1981).	switchi and sig networl subscril
				- 	_

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	Inline's Citation to the Patent Specification	Inline's Claim Construction	Claim Language	AOL's and EarthLink's Claim Construction	id EarthLink's o Intrinsic	5-cv-
telecommunication circuits to be interconnected as required by individual callers. GRAHAM LANGLEY, TELEPHONY'S DICTIONARY 77 (1st ed. 1982). See also Appendix A.					Evidence	00866-JJF
	446 Col. 12:52-57 446 Fig. 1a, LPF 446 Col. 9:66 - Col. 10:2 446 Col. 12:41-42 446 Col. 12:52-55	Filters are not part of the transceiver circuits or signal of interface circuits.	wherein each of the plurality of filters is coupled to said conductive path at a location separated from the transceiver and from the signal interface	The "filters" are not part of the transceivers or signal interface.		Documen
	446 Col.3: 67 446 Col. 4:1-4 446 Col. 4:17-33 446 Col. 4:55-57 446 Col. 8:10-26 446 Col. 11:4-36	Two or more separate conductive paths, including the v above first conductive path, that are coupled to the signal interface s i	15 tr	Improperly Asserted Claim.		t 83-5 Filed 02/17/2006 Pag
gu	'446 Col.3: 67, Col. 4:1-4	The plurality of the 3	3. The system of claim 2	"Circuitry for transmitting	Fig. 2	ge 4 of 18

Inline's Citation to	Inline's Citation to the	Inline's Claim Construction	Claim I anonage	AOI's and Boath int's	1:05
Dictionaries and Treatises	Patent Specification		:		AOL's and EarthLink's OCitation to Intrinsic C
interconnection between two equipments or systems. The definition includes the type, quantity, and function of the interconnecting circuits and the type and form of signals to be interchanged via those circuits. Mechanical details of plugs, sockets, and pin numbers, etc., may be included within the context of the definition. GRAHAMLANGLEY, TELEPHONY'S. DICTIONARY 104 (1st ed. 1982). See also Appendix A. Signal: An electrical wave used to convey information. HARRY NEWTON, NEWTON, NEWTON, NEWTON, STELECOM DICTIONARY 423 (3rd ed. 1990). See also Appendix A.		transceiver(s) described in claim 1 corresponding to different destinations of information and separate conductive paths. The signal interface also includes electrical circuitry that transmits an internal signal with a frequency above the telephone voice band to the additional transceivers	additional transceivers, additional transceivers, each coupled between a different one of the separate conductive paths and a different one of a plurality of destinations of information, wherein the signal interface further includes circuitry for transmitting over the telephone wiring network to each of the additional transceiver an internal signal in the high frequency band.	high frequency band" is a M+F claim element. The recited functions are (1) processing the external signal encoding the information stream from the external source of information into an internal signal; and (2) transmitting to the transceiver an internal signal encoding the information stream. The structures disclosed in the specification for performing these functions are signal separator 413 in conjunction with processor 420 and master controller 415.	Col. 15, 11. 34 - Col. 16, 11. 34 - Col. 16, 11. 34 - Col. 16, 11. 34 - Col. 30, 11. 34 - Col. 33, 11. 34 - Col. 34, 11.
Nignal: An electrical wave used to convey information. HARRY NEWTON, NEWTON'S TELECOM DICTIONARY 423 (3rd ed. 1990). See also Appendix A.	'446 Col. 23:49-60 '446 Col. 66:27-44	The signals from the external information source communicate information and the signal communicated sover the telephone wiring network also carries the same information.	4. The system of claim 1 wherein the external signal includes an external data signal encoding a data stream and the internal signal includes an	Improperly Asserted Claim.	2006 Page 5 of 18

446 Col. 13:23-28 446 Col. 35:3-28 446 Col. 30:59-62 446 Col. 30:59-62 446 Col. 30:59-62 446 Col. 30:59-62 446 Col. 30:1-37 446 Col. 37:1-38 446 Col. 37:1-38 446 Col. 35:1-5-30 446 Col. 35:25-30 446 Col. 35:25-60 447 Col. 35:25-60 448 Col. 35:25-60 448 Col. 35:25-60 449 Col. 35:25-60 440 Co	Inline's Citation to Inline's Citation to the Dictionaries and Treatises Patent Specification	Inline's Claim Construction	Claim Language	AOL's and EarthLink's Claim Construction	AOL's and EarthLink's Citation to Intrinsic Evidence
446 Col. 13:23-28 Electrical circuitry in the transceiver that receives the signals that communicate information over the signal interface and 446 Col. 36:1-67 1986 Col. 31:31-33 1996 Col. 37:1-38 1996 Col. 37:1-32 1996 Col. 37:1-33 1996 Col. 37:1-34 1996 Col. 37:1-34 1996 Col. 37:1-35 1996 Col. 37:1-35 1996 Col. 37:1-35 1996 Col. 37:1-36 1996 Col. 37:1-37 1996 Col. 37:1-38 1996 Col. 37:1-39 1996 Col. 37:1-4-22 1996 Col.	·		internal data signal encoding the data stream.		
446 Col. 3: 67 Electrical circuitry in the transceiver that transmits a "control signal": signal that transceiver that transceiver that transmits a "control signal interface transceiver that transmits a prompts the signal interface transceiver that transceiver that transceiver that transceiver that transceiver the transceiver transmitted in frequencies transceiver transceiver that transceiver	wave nation. OM 3rd ed.	lectrical circuitry in the ansceiver that receives the gnals that communicate formation over the e signal interface and esents the information to e destination of information.	5. The system of claim 4 wherein the transceiver further includes circuitry for receiving the internal data signal and presenting the data stream to the destination of information.		
	Signal: An electrical wave used to convey information. HARRY NEWTON, NEWTON'S TELECOM 1990). See also Appendix A. Interface: A concept involving 446 Col. 13:14-3 Interface: A concept involving 446 Col. 13:15-6 the definition of the interconnection between two equipments or systems. The definition includes the type, quantity, and function of the interconnecting circuits and the type and form of signals to be interchanged via those circuits.	lectrical circuitry in the ansceiver that transmits a control signal": signal that perform a function ansmitted in frequencies to we the telephone voice and.	6. The system of claim 1 wherein the transceiver further includes circuitry for transmitting a control signal in the high frequency band to the signal interface.	"Circuitry for transmitting signal interface" is a M+F claim element. The "control signal" is a signal that prompts the signal interface to select an information stream to be transmitted back to the transceiver. The recited function is transmitting a high frequency control signal to the signal interface.	Fig. 15 Col. 25, 11. 61-67 Col. 25, 11. 31-42 Col. 48, 11. 21-31 Col. 66, In. 64 - Col. 67, In.

Case 1:05-cv-	00866-JJF	Document 83-5	Filed 02/1
AOL's and EarthLink's Citation to Intrinsic			•
AOL's and EarthLink's Claim Construction	The structures disclosed in the specification for performing this function are an IR sensitive diode, control signal processing circuity 514 and coupling network 513.		
Claim Language			
Inline's Claim Construction			
Inline's Citation to the Patent Specification			
	Mechanical details of plugs, sockets, and pin numbers, etc., may be included within the context of the definition. GRAHAM LANGLEY, TELEPHONY'S DICTIONARY 104 (1st ed.	Control: 1. Authority or ability to manage or direct: lost control of the skidding car; the leaders in control of the country. 2a. One that controls; a controlling agent, device, or controlling agent, device, or controlling agent, device, or	AMERICAN HERITAGE® DICTIONARY OF THE ENGLISH LANGUAGE (4th ed. 2000). See also Appendix A.

7/2006 Page 7 of 18

						Case 1:05
Inline's Citation to Dictionaries and Treatises	Inline's Citation to the Patent Specification	Inline's Claim Construction	Claim Language	AOL's and EarthLink's Claim Construction	AOL's and EarthLink's Citation to Intrinsic Evidence	-cv-00
			'585 Patent			86
Exchange: Switching	'585 Col. 1:35-56	A system that communicates	1 A system for	Meeds no construction		86
exchange: an aggregate of	'585 Col. 1:35-56		comminicating information	Troops no construction.		S-C
traffic-carrying devices,	'585 Col. 3:21-23	of information outside the	hetween an external course of			JJ
switching stages, controlling	'585 Col. 3:21-23	system and data processing	information and destinations of			F
and signaling means at a	'585 Col. 2:66-Col. 3:2	devices connected to the	information each at a different			
network node that enables	'585 Col. 4:3-14	system.	one of a plurality of residences			D
subscriber lines and/or other	'585 Col. 4:22-26		over a telenhone wiring		-	00
telecommunication circuits to	'585 Col. 4: 65-67,	Each data processing devices	network used for passing			cu
be interconnected as required	'585 Col. 4: 65-67, Col. 5:1-16 is at a different location	is at a different location.	telenhone sionals in a			me
by individual callers.	'585 Col. 5:1-16		telephone voice hand hetween			en
GRAHAM LANGLEY,	'585 Col. 6:29-65	The information is	telephone devices at the			t 8
TELEPHONY'S	'585 Col. 6:29-65, Col. 7:1-65	communicated over a network	residences and a telephone			33
DICTIONARY 77 (1st ed.	'585 Col. 7:1-65	of telephone wiring that is used	exchange, comprising:			-5
1982). See also Appendix A.	'585 Col. 7:47 - Col. 8:9	for passing signals in a				
	'585 Col. 8:9-12	telephone voice band between				_
	'585 Col. 8:9-12	two or more telephones or				Fi
	'585 Col. 9:12-19	other devices that				le
	'585 Col. 11:40-46	communicate in the telephone				d (
	'585 Col. 11:40-46	voice band, which are at the)2
	'585 Col. 11:52-55	different locations, and				/1
	'585 Col. 12:46-53	telephone switching devices.				7/
	'585 Col. 13:20-28	0				20
	'585 Col. 14:55 - Col. 15:4					00
	1585 Col. 16:17-29					6
	(*585 Col. 21:48-49				15	
	'585 Col. 40:25-28					Р
	'585 Col. 42:15-19					aç
	'585 Col. 54:42-44					је

						Case 1:0
Inline's Citation to Dictionaries and Treatises	Inline's Citation to the Patent Specification	Inline's Claim Construction	Claim Language	AOL's and EarthLink's Claim Construction	AOL's and EarthLink's Citation to Intrinsic Evidence	95-cv-
	'585 Col. 65 : 21-30 '585 Col. 67 : 24-27 '585 Fig. 1a phones 414 '585 Fig. 1a, Fig. 1a, 492a-c, 495c, and 498a '585 Fig. 1a, trunk lines 476',					00866-JJF
	extended pairs 40., unnumbered telephone wiring '585 Fig. 1b telephone devices 514 '585 Fig. 1b, twisted pairs 476, extended pairs 405. '585, Fig. 1a, local exchange 475					Document 83-
	'585 Fig. 1a, digital transceiver 491c '585 Col. 12:45-67 '585 Col. 13:1-2 '585 Col. 13:20-28 '585 Col. 39:44-46 '585 Col. 40:25-31 '585 Col. 1:40-44 '585 Col. 11:14-25 '585 Col. 61:30-67 '585 Col. 67:1-10 '585 Fig. 1a as 491c, 419a-	Two or more transceivers that are in different locations and are coupled to data processing devices such as personal computers.	a plurality of transceivers, each located at a different one of the residences and coupled to a destination of information at said residence;	Needs no construction.		5 Filed 02/17/2006
Interface: A concept involving		A "signal interface": device	a signal interface located on	The "signal interface" is a		Page 9 of 18

)5-cv-(0866-JJF Document 83-5 Filed 02/17/2006 P	age 10 of 18
AOL's and EarthLink's Citation to Intrinsic Evidence	Sec citations for signal interface in .596 patent, claims of 1.000 P.	
AOL's and EarthLink's Claim Construction	device interposed on the opposite end (i.e., the local side) of the public trunk line (as defined by the inventor in the patent) from the telephone exchange that performs the recited functions of the incorporated circuitry. The "telephone exchange" is a central office.	
Claim Language	the telephone wiring network between the telephone exchange and each of the residences;	
Inline's Claim Construction	that provides an interconnection and adaptation of signals, which connects the external source of information to the telephone wiring network.	19
Inline's Citation to the Patent Specification	transceiver/switch 400 '585 Fig. 1b, portions of transceiver/switch 400 '585 Fig. 2 '585 Col. 4:10-14 '585 Col. 8:49-59 '585 Col. 9:12-19 '585 Col. 11:47-58'585 Col. 12:6-11 '585 Col. 15:40-59 '585 Col. 30:45-65	
Inline's Citation to Dictionaries and Treatises	the definition of the interconnection between two equipments or systems. The definition includes the type, quantity, and function of the interconnecting circuits and the type and form of signals to be interchanged via those circuits. Mechanical details of plugs, sockets, and pin numbers, etc., may be included within the context of the definition. GRAHAM LANGLEY, TELEPHONY'S DICTIONARY 104 (1st ed. 1982). See also Appendix A. Exchange: Switching exchange: an aggregate of traffic-carrying devices, switching stages, controlling and signaling means at a network node that enables subscriber lines and/or other telecommunication circuits to be interconnected as required by individual callers.	TELEPHONY'S DICTIONARY 77 (1st ed.

Inline's Citation to Dictionaries and Treatises	Inline's Citation to the Patent Specification	Inline's Claim Construction	Claim Language	AOL's and EarthLink's Claim Construction	AOL's and EarthLink's Citation to Intrinsic	5-cv
1987) See also Annendix A					Evidence	-00
Exchange: Switching exchange: an aggregate of traffic-carrying devices, switching stages, controlling and signaling means at a network node that enables subscriber lines and/or other telecommunication circuits to be interconnected as required by individual callers. GRAHAM LANGLEY, TELEPHONY'S DICTIONARY 77 (1st ed. 1982). See also Appendix A.	'585 Col. 1:40-44 '585 Col. 4: 65-67, Col. 5:1-16 or more separate wires or sets '585 Col. 4: 65-67, Col. 5:1-16 or more separate wires or sets of wires that are part of the '585 Col. 11:40-61 are more than 1000 feet long. The conductive path couples the signal interface and different transceivers and each such conductive path provided at least part of the path for telephone voice band signal between the telephone exchange and one or more telephone devices at the same residence as the transceiver.	The conductive paths are two or more separate wires or sets of wires that are part of the telephone wiring network and are more than 1000 feet long. The conductive path couples the signal interface and different transceivers and each such conductive path provides at least part of the path for telephone voice band signal between the telephone exchange and one or more telephone devices at the same residence as the transceiver.	a plurality of separate conductive paths, each coupling the signal interface and a different one of the plurality of transceivers and providing at least part of a path for telephone signals in the voice band between the telephone exchange and one or more of the telephone devices at the same residence as said transceiver, wherein each of said separate conductive paths exceeds 1000 feet in length;	Needs no construction.		0866-JJF Document 83-5 F
exchange: Switching exchange: an aggregate of traffic-carrying devices, switching stages, controlling and signaling means at a network riode that enables subscriber lines and/or other telecommunication circuits to be interconnected as required by individual callers. GRAHAM LANGLEY, TELEPHONY'S	'585 Col. 11:40-46 '585 Col. 12:59-64 '585 Fig. 1a '585 Col. 4: 65-67, Col. 5:1-16 '585 Col. 21:48-49	At each location with a transceiver, a branch that is part of the telephone network. A jack is connected to the telephone network at a location separate from the transceiver. A telephone device can be plugged into the jack and the jack will carry the telephone voice band signal to the telephone network.	at each of the residences at which one of the transceivers is located, a branch conductive path coupled at a location separated from said transceiver to the separate conductive path from the signal interface to said transceiver, said branch conductive path providing at least part of the path for telephone signals in the voice band between the telephone	Needs no construction.		Filed 02/17/2006 Page 11 of 18

					ase T.C	ase 1:0
SS	Inline's Citation to the Patent Specification	Inline's Claim Construction	Claim Language	AOL's and EarthLink's Claim Construction	AOL's and EarthLink's Citation to Intrinsic	5-cv-0
DICTIONARY 77 (1st ed. 1982). See also Appendix A.			exchange and a telephone device at said residence; and			086
Filter: A device which transmits a select range of energy. An electrical filter transmits a selected range of frequencies, while stopping (attenuating) all others. HARRY NEWTON, NEWTON, NEWTON, NEWTON'S TELECOM DICTIONARY 200 (3rd ed. 1990). See also Annendix A	'585 Col. 12: 59-64	A filter device is connected between each telephone jack or branch and a telephone device.	for each branch conductive path, a filter coupled between the branch conductive path and the corresponding telephone device;	Needs no construction.	oo-JJF Documen	66-JJF Documen
i iix ta	'585 Col. 4: 65-67, Col. 5:1-16 '585 Col. 8:9-12 '585 Col. 8:49-59 '585 Col. 12:45 - Col. 13:28 '585 Col. 48:64 - Col. 49:2 '585 Col. 66:22 - Col. 67:10 '585 Col. 68:6-35 '585 Fig. 15	Each transceiver includes circuitry that signals at "high frequency band": frequencies above the telephone voice band over the telephone network.	wherein each transceiver includes circuitry for communicating with the signal interface in a high frequency band of frequencies above the highest frequency of the telephone voice band over the separate conductive path coupling said transceiver with the signal interface;	"Circuitry for communicating with coupling said transceiver with the signal interface" is a M+F claim element. The recited function is communicating with the signal interface in a high frequency band of frequencies above the highest frequency of the telephone voice band over the separate conductive path coupling said transceiver with the signal interface. The structures disclosed in the specification for performing	Fig. 3a Fig. 3c Fig. 3c Fig. 8 Fig. 8 Fig. 15 (control signal processing circuitry 514 and 12 coupling network 513) Col. 14, II. 2-14 Col. 19, In. 41 - Col. 20, In. 56 Col. 25, In. 10 - Col. 30, In. 57 Col. 38, In. 66 - Col. 40, In. 57 Col. 66, II. 30-47. A possible of the col. 20, In. 57 Col. 66, II. 30-47. A possible of the col. 30, In. 57 Col. 66, II. 30-47.	t 83-5 Filed \$2617/2006 Page 1
		21			20118	2 of 18

id EarthLink's o Intrinsic	900866-JJF Document	Fig. 3a Fig. 3c Fig. 8 Fig. 8 Fig. 15 (control signal processing circuitry 514 and 100. 14, 11. 2-14 Col. 19, in. 41 - Col. 20, in. 100. Col. 25, in. 10 - Col. 30, in. 100. Col. 38, in. 66 - Col. 40, in. 100. Col. 66, il. 30-47.
AOL's and EarthLink's Claim Construction	this function are control signal processing circuitry 514 and coupling network 513. "A high frequency band of frequencies above the highest frequency of the telephone voice band" is the band of frequencies above 1 MHz.	"The high band of frequencies" is the band of frequencies above 1 MHz.
Claim Language		each of the filters that is coupled to a branch conductive path is configured for preventing signals in the high band of frequencies from passing to the telephone device coupled to said branch conductive path; and
Inline's Claim Construction		The filter device connected between the phone jack and the telephone device is a low pass filter that prevents signals in the high band of frequencies above the telephone voice band from interfering with to the telephone device.
Inline's Citation to the Patent Specification		'585 Col. 11:40-46 '585 Col. 12: 59-64 '896 Col. 9:22-24 '399 Col. 18:55-66
Inline's Citation to Dictionaries and Treatises	WEBSTER UNABRIDGED ENTRIES DICTIONARY. See also Appendix A.	Filter: A device which transmits a select range of energy. An electrical filter transmits a selected range of frequencies, while stopping (attenuating) all others. HARRY NEWTON, STELECOM DICTIONARY 200 (3rd ed. 1990). See also Appendix A. Low-Pass Filter: Filter circuit that passes all frequencies below the cutoff frequency and blocks frequencies above it. JOHN DOUGLAS-YOUNG, ILLUSTRATED

					Case 1:0
Inline's Citation to Dictionaries and Treatises	Inline's Citation to the Patent Specification	Inline's Claim Construction	Claim Language	AOL's and EarthLink's Claim Construction	AOL's and EarthLink's G
DICTIONARY OF ELECTRONICS 341 (1st ed. 1981). See also Appendix A.					00866
Interface: A concept involving the definition of the	'585 Col. 31:59-67, Col. 32:1- 34	the signal interface includes:	the signal interface includes [a] circuitry for receiving a	[a] "circuitry for receiving	
interconnection between two	'585 Col. 33:45-55				Fig. 4
equipments or systems. The definition includes the type,	'585 Col. 33:11-16 '585 Col. 48:37-67, Col. 49-1-	receives multiple signals from the external source of	encoding information streams from the external source of	and [c] "circuitry for limiting	Col. 15, 11, 39-59
		. The multiple	_	are M+F	Col. 31, In. 45 - Col. 37, In. 38.
interconnecting circuits and the type and form of signals to be	'585 Col. 15:39 - Col. 17:41 '585 Fig. 1a - 14, nortions	signals communicate	elephone	claim elements.	um
	thereof		transceivers a plurality of	The recited function for [a] is	[0] Fig. 2 (Signal separator 4135
Mechanical details of plugs,		-			Processor 418, Control
sockets, and pin numbers, etc.,				external signals encoding	Processor 420 and Master
context of the definition		transmits internal signals	information streams, and [c]	information streams from the	Controller 415).
GRAHAM LANGLEY,		d from the	circuitry for infitting transmission of signals in the	external source of information.	Col. 15, ln. 44 - Col. 16, ln. 12
TELEPHONY'S			high frequency band from the	The structure disclosed in the	
1982). See also Appendix A.	-	The internal signal are		specification for performing	ed [9]
		ve the	passing signals in the	tuileiloii [a] is Fiocessor 416.	Fig. 2 (LFFS 4/4) and Octrosponding descriptions
Circuitry: the plan or the		telephone voice band.	telephone frequency band	The recited functions for [b]	from specification).
components of an electric			between the telephone wiring	ť	
MERIAM-WERSTER		A low pass filter that prevents	network and the telephone		Col. 48, 11. 54-63.
DICTIONARY 146 (Frederick		the telephone riging hand from	exchange.	the information streams from	D6
C. Mish ed., 1989). See also		interfering with the telephone		the external source of	
Appendix A.		exchange and allows signals		internation into a plurality of internal signals: and (2)	P
		with frequencies in the		transmitting to the transceivers	ag
Circuit: Apex Inc. v. Raritan		telephone voice band to pass to		a plurality of internal signals in	е

Case 1	05-cv	-00866-JJF Document 83-5 Filed 02/17/2006 Page 15 of 18
	AOL's and EarthLink's Citation to Intrinsic Evidence	
	AOL's and EarthLink's Claim Construction	the high frequency band encoding the information streams. The structures disclosed in the specification for performing functions [b] are signal separator 413 in conjunction with processor 420 and master controller 415 The recited function for [c] is preventing transmission of the high frequency signals back to the telephone exchange and allowing the telephone signal interface to the telephone signal interface to the telephone signal function [c] are low pass filters 474. The 'telephone exchange' is a central office.
	Claim Language	24
	Inline's Claim Construction	the telephone exchange.
	Inline's Citation to the Patent Specification	
	Inline's Citation to Dictionaries and Treatises	Computer, Inc. 325 F.3d 1364, 1373 (Fed Cir. 2003) ("The term 'circuit' is defined as 'the combination of a number of electrical devices and conductors that, when interconnected to form a conducting path, fulfill some desired function.' Dictionary of Computing, 75 (4th ed. 1996) In light of this definition, it is clear that the term 'circuit,' by itself connotes some structure.") Exchange: Switching exchange: Switching stages, controlling and signaling means at a network node that enables subscriber lines and/or other telecommunication circuits to be interconnected as required by individual callers. GRAHAMI LANGLEY, TELEPHONY'S DICTIONARY 77 (1st ed. 1982). See also Appendix A.

Friends operation of the carternal	Inline's Citation to	Inline's Citation to the	Inline's Claim Construction	Claim Language	AOL's and EarthLink's	AOL's and EarthLink's	e 1:05-
itit 1. \$85 Col. 13:20-28 1. \$120-28 1.	Dictionaries and 1 reatises	Fatent Specification			Ciaim Construction	Evidence	CV-
Feed	Filter: A device which transmits a select range of energy. An electrical filter transmits a selected range of frequencies, while stopping (attenuating) all others.						00866-JJF
1.85 Col. 13:20-28 Signals from the external 1.85 Col. 23:51 - Col. 24:8 Source of information 1.85 Col. 23:54 - Col. 24:8 Soc. 23:54 - Col. 24:8 Source of information 1.85 Col. 23:55 Col. 24:27-43 Information 1.85 Col. 4:27-43 Information 1.85 Col. 2:12-19 Information of the external 2. The system of claim 1 wherein each external signal corresponding information 1.85 Col. 2:12-19 Information of the 2.55 Col. 3:12-19 Information of the 2.55 Col. 3:12-	DICTIONARY 200 (3rd ed. 1990). See also Appendix A.						Docum
pendix A. slawave 1585 Col. 13:20-28 Signals from the external or communicate information 1585 Col. 23:51 - Col. 24:8 source of information 15:20-28 sour	Low-Pass Filter: Filter circuit that passes all frequencies below the cutoff frequency and blocks frequencies above it. JOHN DOUGLAS-YOUNG,						ent 83-5
'585 Col. 13:20-28Signals from the external source of information2. The system of claim 1Needs no construction.'585 Col. 23:51 - Col. 24:8source of informationwherein each external signal includes a corresponding information. The transceivers sin poinclude electrical circuitry state are information of the2. The system of claim 1Needs no construction.'585 Col. 33:45-54communicate information.includes a corresponding external data signal also include electrical circuitry signal includes a signal encoding said datacorresponding internal signal encoding said data'585 Col. 9:12-19that receives the information of the stream, and wherein thecorresponding internal data signal encoding said data	ENCYCLOPEDIC DICTIONARY OF ELECTRONICS 341 (1st ed. 1981). See also Appendix A.						Filed 02
1885 Col. 9:12-19 that receives the information to signal encoding said data and presents the information of the destination of the destination of the destination of the allowed the signal encoding said data and wherein the destination of the destination of the allowed the stream, and wherein the allowed the stream, and wherein the allowed the stream, and wherein the stream, and wherein the allowed the stream, and wherein the stream the strea	Signal: An electrical wave used to convey information. HARRY NEWTON, NEWTON'S TELECOM DICTIONARY 423 (3rd ed. 1000).	'585 Col. 13:20-28 '585 Col. 23:51 - Col. 24:8 '585 Col. 33:45-54 '585 Col. 4:10-14 '585 Col. 4:27-43	Signals from the external source of information communicate information. Internal signals also carry the information. The transceivers	2. The system of claim 1 wherein each external signal includes a corresponding external data signal encoding a data stream and each internal	Needs no construction.		/17/2006
	Interface: A concept involving the definition of the		also include electrical circuitry that receives the internal signal and presents the information to the destination of the	signal includes a corresponding internal data signal encoding said data stream, and wherein the			Page
			25				16 of 18

05-cv	00866-JJF Document 83-5	Filed 02/17/2006 Page 1	7 of 18
AOL's and EarthLink's Citation to Intrinsic Evidence			
AOL's and EarthLink's Claim Construction		Improperly Asserted Claim.	
Claim Language	circuitry at each transceiver for communicating with the signal interface further includes circuitry for receiving the corresponding internal data signal and presenting said data stream to the destination of information.	4. The system of claim 1 wherein each of the filters that is coupled to a branch conductive path reflects substantially all of the energy in the high frequency band transmitting from said branch path, and the communication system includes circuity for mitigating the effect of reflections so that said transceivers correctly receive	
Inline's Claim Construction	information	Low pass filters between phone jacks and telephone devices reflect most of the energy in the signals within the high frequency band. The system also includes electrical circuitry that enables the transceiver to correctly receive the signals despite reflections.	26
Inline's Citation to the Patent Specification		'585 Col. 4:10-14 '585 Col. 4:27-43 '585 Col. 4:65-67 '585 Col. 8:20-37 '585 Col. 9:12-19 '585 Col. 11:40-46 '585 Col. 12: 59-64 '585 Col. 54: 11 '585 Col. 68: 31-35	
Inline's Citation to Dictionaries and Treatises	interconnection between two equipments or systems. The definition includes the type, quantity, and function of the interconnecting circuits and the type and form of signals to be interchanged via those circuits. Mechanical details of plugs, sockets, and pin numbers, etc., may be included within the context of the definition. GRAHAM LANGLEY, TELEPHONY'S DICTIONARY 104 (1st ed. 1982). See also Appendix A.	Filter: A device which transmits a select range of energy. An electrical filter transmits a selected range of frequencies, while stopping (attenuating) all others. HARRY NEWTON, NEWTON, NEWTON'S TELECOM DICTIONARY 200 (3rd ed. 1990). See also Appendix A. Low-Pass Filter: Filter circuit that passes all frequencies below the cutoff frequencies blocks frequencies above it.	

Case '	:05-c	v-00866-JJF	Docume	nt 83-5 Filed 02/17/2006 Pa	ge 18 of 18
	AOL's and EarthLink's Citation to Intrinsic Evidence				
	AOL's and EarthLink's Claim Construction			Improperly Asserted Claim.	
	Claim Language	internal signals from the signal interface.		8. The system of claim 1 wherein the signal interface includes circuitry for selecting a subset of zero or more transceivers for receipt of each of the information streams accepted from the external source of information.	
	Inline's Claim Construction			The signal interface also includes electrical circuitry that sends "information streams": signals that communicate information from the external source of information to zero, one, or more transceivers.	72
	Inline's Citation to the Patent Specification			'585 Col. 4:10-14 '585 Col. 4:27-43 '585 Col. 8:20-37 '585 Col. 9:12-19	
	Inline's Citation to Dictionaries and Treatises	JOHN DOUGLAS-YOUNG, ILLUSTRATED ENCYCLOPEDIC DICTIONARY OF ELECTRONICS 341 (1st ed. 1981). See also Appendix A.	Signal: An electrical wave used to convey information. HARRY NEWTON, NEWTON'S TELECOM DICTIONARY 423 (3rd ed. 1990). See also Appendix A.	Interface: A concept involving the definition of the interconnection between two equipments or systems. The definition includes the type, quantity, and function of the interconnecting circuits and the type and form of signals to be interchanged via those circuits. Mechanical details of plugs, sockets, and pin numbers, etc., may be included within the context of the definition. GRAHAM LANGLEY, TELEPHONY'S DICTIONARY 104 (ist ed. 1982). See also Appendix A.	